

Historical Floods: Passaic River near Chatham, New Jersey

Latitude: 40.726

Flood Stage: 6 ft

Period of Record: 1903-Present

Last Flood: 4/30/2014

Longitude: -74.39

Number of Floods: 82

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
10/11/1903	7.23	2,310	Moderate	C1 F1 G1
1/9/1905	8.33	3,000	Major	C1 F1 G1
3/18/1907	8.03	2,860	Major	C1 F1 G1
3/4/1910	7.03	2,260	Minor	C1 F1 G1
7/23/1938	6.51	1,840	Minor	none
9/21/1938	6.86	1,910	Minor	none
8/9/1942	6.31	1,470	Minor	none
8/16/1942	7.32	2,020	Moderate	none
12/31/1942	6.21	1,420	Minor	none
2/27/1945	6.67	-9,999	Minor	none
2/24/1947	6.65	-9,999	Minor	none
11/8/1947	6.05	1,220	Minor	none
11/12/1947	6.35	1,410	Minor	none
2/20/1948	6.30	1,100	Minor	none
1/1/1949	6.78	1,710	Minor	none
6/1/1952	6.17	1,290	Minor	none
8/14/1955	6.30	1,380	Minor	none
8/19/1955	6.31	1,390	Minor	none
2/22/1961	6.59	-9,999	Minor	none
2/27/1961	6.17	1,290	Minor	none
3/12/1962	6.41	1,450	Minor	none

3/7/1967	6.22	1,320	Minor	none
5/29/1968	7.90	2,560	Moderate	none
7/28/1969	6.68	1,640	Minor	none
4/2/1970	6.37	1,470	Minor	none
8/28/1971	8.16	2,540	Moderate	none
9/14/1971	6.72	1,610	Minor	none
9/18/1971	6.79	1,650	Minor	none
6/22/1972	6.57	1,520	Minor	none
11/8/1972	7.22	1,910	Moderate	none
2/2/1973	6.82	1,670	Minor	none
8/2/1973	9.36	3,380	Major	none
10/29/1973	6.25	1,330	Minor	none
12/21/1973	6.36	1,400	Minor	none
7/14/1975	7.40	2,020	Moderate	none
9/27/1975	8.14	2,520	Moderate	none
10/19/1975	6.10	1,240	Minor	none
3/22/1977	6.35	1,390	Minor	none
11/8/1977	6.58	1,520	Minor	none
1/10/1978	6.57	1,520	Minor	none
8/12/1978	6.61	1,540	Minor	none
1/27/1979	6.40	1,420	Minor	none

Drainage Area: 100 sq mi

Gage Datum: 193.51 ft MSL

Passaic Basin

County of Gage: Morris

County of Forecast Point: Morris

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2/26/1979	6.88	1,710	Minor	none	4/1/1993	6.13	1,260	Minor	none
5/25/1979	6.20	1,300	Minor	none	1/30/1994	7.02	1,970	Minor	none
9/6/1979	6.13	1,260	Minor	none	1/19/1996	6.38	1,400	Minor	none
3/25/1980	6.32	1,370	Minor	none	1/27/1996	6.00	1,180	Minor	none
1/4/1982	6.10	1,240	Minor	none	10/21/1996	7.49	2,080	Moderate	none
2/3/1982	6.01	1,190	Minor	none	12/7/1996	6.08	1,230	Minor	none
3/21/1983	6.34	1,380	Minor	none	5/11/1998	6.19	1,290	Minor	none
4/10/1983	6.24	1,320	Minor	none	9/17/1999	7.60	2,210	Moderate	none
4/17/1983	6.14	1,260	Minor	none	2/24/2003	6.36	1,408	Minor	none
12/14/1983	6.67	1,580	Minor	none	4/2/2005	6.07	1,240	Minor	none
4/6/1984	7.26	1,930	Moderate	none	10/10/2005	6.11	1,260	Minor	none
5/31/1984	6.67	1,580	Minor	none	10/12/2005	6.66	1,590	Minor	none
7/7/1984	6.04	1,210	Minor	none	4/17/2007	7.45	2,110	Moderate	none
4/18/1986	6.63	1,550	Minor	none	3/15/2010	7.91	2,730	Moderate	none
4/4/1987	6.04	1,210	Minor	none	3/30/2010	6.34	1,400	Minor	none
7/26/1988	6.07	1,220	Minor	none	3/11/2011	6.41	1,620	Minor	none
9/20/1989	6.26	1,330	Minor	none	8/29/2011	7.76	2,620	Moderate	none
10/22/1989	6.01	1,190	Minor	none	9/9/2011	6.25	1,510	Minor	none
10/13/1990	6.12	1,250	Minor	none	4/30/2014	6.46	1,660	Minor	none
6/5/1992	6.87	1,700	Minor	none					
3/26/1993	6.08	1,230	Minor	none					

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Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

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